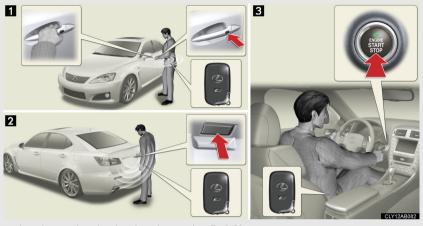
Smart access system with push-button start

The following operations can be performed simply by carrying the electronic key on your person, for example in your pocket.
(The driver should always carry the electronic key.)

1 Locks and unlocks the doors (→P. 23)
2 Unlocks the trunk (→P. 23)
3 Starts the engine (→P. 114)

Locking and unlocking the doors (front door handles only)

Press the lock button to lock the door.

Grip the handle to unlock the door.

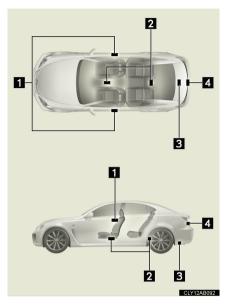
Make sure to touch the sensor on the back of the handle.

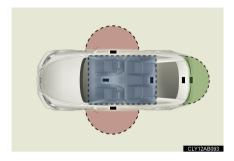
The door cannot be unlocked for 3 seconds after the door is locked.

Unlocking the trunk

Press the button to unlock the trunk.

Antenna location and effective range

■ Antenna location

1. Antennas outside cabin
2. Antennas inside cabin
3. Antenna inside trunk
4. Antenna outside trunk

n Effective range (areas within which the electronic key is detected)

- When locking or unlocking the doors

  The system can be operated when the electronic key is within about 2.3 ft. (70 cm) of either of the outside front door handles. (Only the doors detecting the key can be operated.)

- When unlocking the trunk

  The system can be operated when the electronic key is within about 2.3 ft. (70 cm) of the trunk release button.

- When starting the engine or changing "ENGINE START STOP" switch modes

  The system can be operated when the electronic key is inside the vehicle.

Operation signals

A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Conditions affecting operation

The smart access system with push-button start uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart access system with push-button start from operating properly:
(Ways of coping: →P. 386)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs
- When multiple electronic keys are in the vicinity
- When another wireless key (that emits radio waves) is being used nearby
- When carrying or using the electronic key together with the following devices that emit radio waves
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computer or personal digital assistant (PDA)
  - Digital audio player
  - Portable game system
- If window tint with a metallic content or metallic objects are attached to the rear window

Switching the door unlock function

It is possible to set which doors the entry function unlocks.

STEP 1 Turn the "ENGINE START STOP" switch OFF.

STEP 2 When the indicator on the key surface is turned off, push and hold , , or for approximately 5 seconds while pushing on the key.

The setting changes each time an operation is performed, as shown below. (When changing the setting continuously, release the buttons, wait for at least 5 seconds, and repeat step 2.)

Multi-information display	Unlocking doors	Beep
	Hold the driver's door handle to unlock only the driver's door	Exterior: Beeps three times Interior: Pings once
	Hold the front passenger's door handle to unlock all doors	
	Hold either front door handle to unlock all doors	Exterior: Beeps twice Interior: Pings once

STEP 3 Unlock the doors using the wireless remote control and open one of the doors.
If a door is not opened within 60 seconds after is pressed, the doors will be locked again and the alarm will automatically be set. In case that the alarm is triggered, immediately stop the alarm. (→P. 72)

Battery-saving function

In the following circumstances, the entry function is disabled in order to prevent the vehicle and electronic key batteries from discharging.

- When the entry function has not been used for 30 days or more
- When the electronic key has been left within approximately 3 ft. (1 m) of the vehicle for 10 minutes or more

The system will resume operation when...

- The vehicle is locked using the door handle lock switch.
- The vehicle is locked/unlocked using the wireless remote control function. (→P. 34)
- The vehicle is locked/unlocked using the mechanical key. (→P. 386)

Electronic key battery depletion

- The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the smart access system with push-button start or the wireless remote control function does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→ P. 316)
- To avoid serious deterioration, do not leave the electronic key within 3 ft. (1 m) of the following electrical appliances that produce a magnetic field.
  - TVs
  - Personal computers
  - Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Glass top ranges
  - Table lamps

To operate the system properly

Make sure to carry the electronic key when operating the system. Do not get the electronic key too close to the vehicle when operating the system from the outside of the vehicle.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally, or the door lock prevention may not function.)

Note for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases.
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the trunk is unlocked.
  - The electronic key is on the instrument panel, rear package tray or floor, or in the glove box when the engine is started or “ENGINE START STOP” switch modes are changed.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash. (The doors will automatically be locked after approximately 60 seconds if the doors are not opened and closed.)
- Gripping the door handle when wearing a glove may not unlock the door.
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)
- A sudden approach to the effective range or door handle operation may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.

When the vehicle is not driven for extended periods

To prevent theft of the vehicle, do not leave the electronic key within 6 ft. (2 m) of the vehicle.

Security feature

If a door is not opened within approximately 60 seconds after the vehicle is unlocked, the anti-theft system automatically locks the vehicle again.

Alarms and warning indicators

A combination of exterior and interior alarms as well as warnings displayed on the multi-information display are used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Take appropriate measures in response to any warning indications on the multi-information display. (→P. 360)

The following table describes circumstances and correction procedures when only alarms are sounded.

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 2 seconds	Tried to lock the doors using the entry function while the electronic key is still inside the passenger compartment	Retrieve the electronic key from the passenger compartment and lock the doors again.
	Closed the trunk while the electronic key is still inside and all doors are locked	Retrieve the electronic key from the trunk and close the trunk lid.
Exterior alarm sounds once for 60 seconds	Tried to exit the vehicle with the electronic key and lock the doors without first turning the "ENGINE START STOP" switch OFF	Turn the "ENGINE START STOP" switch OFF and lock the doors again.
Exterior alarm sounds once for 10 seconds	Tried to lock the vehicle using the entry function while a door is open	Close all of the doors and lock the doors again.
Interior alarm sounds continuously	Tried to open the door and exit the vehicle without shifting the shift lever to P	Shift the shift lever to P.

Alarm	Situation	Correction procedure
Interior alarm pings continuously	Switched to ACCESSORY mode while the driver's door is open (Opened the driver's door when the “ENGINE START STOP” switch is in ACCESSORY mode.)	Close the driver's door.
	Turned the “ENGINE START STOP” switch OFF while the driver's door is open	Close the driver's door.

■ **If the smart access system with push-button start does not operate properly**

- Locking and unlocking the doors and trunk: Use the mechanical key. (→P. 386)
- Starting the engine: →P. 387

■ **When the electronic key battery is fully depleted**

→P. 316

■ **Customization that can be configured at Lexus dealer**

It is possible to deactivate the operation signals of the system, such as the emergency flashers. (Customizable features→P. 424)

■ **Certification for the smart access system with push-button start**

▶ For vehicles sold in the U.S.A.

FCC ID: NI4TMLF-1

NOTE:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTICE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ For vehicles sold in Canada

NOTE:
Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAUTION

■ **Caution regarding interference with electronic devices**

- People with implanted pacemakers or cardiac defibrillators should keep away from the smart access system antennas. (→P. 24)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Lexus dealer for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the entry function.
- User of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
  Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Lexus dealer for details for disabling the entry function.

Wireless remote control

The wireless remote control can be used to lock and unlock the vehicle and the trunk from outside the vehicle.

1 Locks all doors
2 Unlocks all doors
3 Opens the windows and moon roof (push and hold)
4 Unlocks the trunk (push and hold)
5 Sounds alarm (push and hold) (→P. 72)

2-step unlocking function

When you push [unlock button], the driver's door is unlocked. Pushing the button again within 3 seconds unlocks the other doors.

Operation signals

Doors: A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Trunk: A buzzer sounds to indicate that the trunk has been unlocked.

Windows and moon roof: A buzzer sounds to indicate that the windows and moon roof are operating.

Door lock buzzer

If a door is not fully closed, a buzzer sounds if an attempt to lock the door is made. Fully close the door to stop the buzzer, and lock the vehicle once more.

Alarm

Using the wireless remote control to lock the doors will set the alarm system.

Electronic key battery depletion

→P. 28

Security feature

→P. 29

When the electronic key battery is fully depleted

→P. 316

Conditions affecting operation

→P. 26

Customization that can be configured at Lexus dealer

Settings (e.g. trunk unlocking function) can be changed. (Customizable features →P. 424)

Certification for wireless remote control

▶ For vehicles sold in the U.S.A.

FCC ID: NI4TMLF-1

NOTE:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTICE:
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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

▶ For vehicles sold in Canada

NOTE:
Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Doors

The vehicle can be locked and unlocked using the entry function, wireless remote control or door lock switch.

Entry function

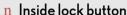
→P. 23

Wireless remote control

→P. 34

Door lock switch

1. Locks all doors
2. Unlocks all doors

Inside lock button

1. Locks the door
2. Unlocks the door

The front doors can be opened by pulling the inside handle even if the lock buttons are in the lock position.

Locking the front doors from the outside without a key

The door cannot be locked if the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode, or the electronic key is left inside the vehicle.

Depending on the position of the electronic key, the key may not be detected correctly and the door may be locked.

Rear door child-protector lock

The door cannot be opened from inside the vehicle when the locks are set.

These locks can be set to prevent children from opening the rear doors. Push down on each rear door switch to lock both rear doors.

Automatic door locking and unlocking systems

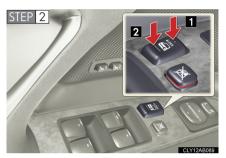
The following functions can be set or cancelled:

Function	Operation
Shift position linked door locking function	Shifting the shift lever out of P locks all doors.
Shift position linked door unlocking function	Shifting the shift lever to P unlocks all doors.
Speed linked door locking function	All doors are locked when the vehicle speed is approximately 12 mph (20 km/h) or higher.
Driver's door linked door unlocking function	All doors are unlocked when the driver's door is opened within 10 seconds after turning the "ENGINE START STOP" switch OFF.

Setting and canceling the functions

To switch between setting and canceling, follow the procedure below:

STEP 1 Close all the doors and switch the "ENGINE START STOP" switch to IGNITION ON mode. (Perform the step 2 within 10 seconds.)

STEP 2

Shift the shift lever to P or N, and press and hold the driver's door lock switch (1 or 2) for approximately 5 seconds and then release.

The shift lever and switch positions corresponding to the desired function to be set or canceled are shown as follows.

Function	Shift lever position	Switch position
Shift position linked door locking function	P	1
Shift position linked door unlocking function		2
Speed linked door locking function	N	1
Driver's door linked door unlocking function		2

When the setting or canceling operation is complete, all doors are locked and then unlocked.

- **Impact detection door lock release system**

  In the event that the vehicle is subject to a strong impact, all the doors are unlocked. Depending on the force of the impact or the type of accident, however, the system may not operate.

- **Using the mechanical key**

  The doors can also be locked and unlocked with the mechanical key. (→P. 386)

- **Customization that can be configured at Lexus dealer**

  Settings (e.g. unlocking function using a key) can be changed.
  (Customizable features →P. 424)

CAUTION

- **To prevent an accident**

  Observe the following precautions while driving the vehicle.
  Failing to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

  - Always use a seat belt.
  - Always lock all doors.
  - Ensure that all doors are properly closed.
  - Do not pull the inside handle of the front door while driving.
  - Set the rear door child protector locks when children are seated in the rear seat.

Trunk

The trunk can be opened using the trunk opener, entry function or wireless remote control.

Opening the trunk

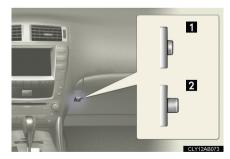
Press the opener switch.

Entry function

→P. 23

Wireless remote control

→P. 34

Locking the trunk opener feature

Turn the main switch in the glove box off to disable the trunk opener.

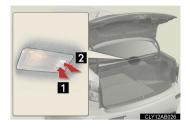
1 On

2 Off

The trunk lid cannot be opened even with the wireless remote control or the entry function.

Trunk light

When the trunk light switch is set to on, the trunk light turns on when the trunk is opened.

1 On

2 Off

Trunk handle

Use the trunk handle when closing the trunk.

Be careful not to pull the trunk lid sideways when closing the trunk with the handle.

Internal trunk release lever

The trunk lid can be opened by pulling down on the glow-in-the-dark lever located on the inside of trunk lid.

The lever will continue to glow for some time after the trunk lid is closed.

Using the mechanical key

The trunk can be also opened using the mechanical key. (→P. 386)

CAUTION

- **Caution while driving**

  Keep the trunk lid closed.
  This not only keeps personal belongings from being thrown out, but also prevents exhaust gases from entering the vehicle.

- **When children are in the vehicle**

  Never leave children unattended in the vehicle as they may lock themselves in the vehicle or trunk, which could cause the child to overheat or suffocate, resulting in death or serious injury.